

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF101524AR\
 Data File : FF014693.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 17:26
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e
 Quant Time: Oct 16 02:26:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 11:02:50 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.856	2171521	20.252 ug/ml
Spiked Amount 50.000		Recovery =	40.50%
6) S 2-Fluorobiphenyl (SURR)	8.726	1299991	21.039 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.08%
11) S ortho-Terphenyl (SURR)	11.784	2807707	20.508 ug/ml
Spiked Amount 50.000		Recovery =	41.02%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.469	2611552	19.859 ug/ml
2) T Naphthalene (C11.7)	6.133	2636944	20.503 ug/ml
3) T 2-Methylnaphthalene (...)	7.228	2677908	21.265 ug/ml
5) T Acenaphthylene (C15.06)	8.524	2624245	20.301 ug/ml
7) T Acenaphthene (C15.5)	8.823	2793826	20.481 ug/ml
8) T Fluorene (C16.55)	9.612	2549778	21.345 ug/ml
9) T Phenanthrene (C19.36)	11.013	2493632	21.650 ug/ml
10) T Anthracene (C19.43)	11.089	2723450	23.039 ug/ml
12) T Fluoranthene (C21.85)	12.830	2715016	22.196 ug/ml
13) T Pyrene (C20.8)	13.125	2745896	22.118 ug/ml
14) T Benzo[a]anthracene (C...	15.002	2200775	24.940 ug/mlm
15) T Chrysene (C27.41)	15.044	3017440	21.000 ug/ml
16) T benzo[b]fluoranthene ...	16.558	2298929	23.789 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.588	2723597	20.044 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.936	2391965	21.818 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.306	1548008	24.147 ug/mlm
20) T Dibenz[a,h]anthracene...	18.351	2367470	22.447 ug/ml
21) T Benzo[g,h,i]perylene ...	18.556	2513062	20.677 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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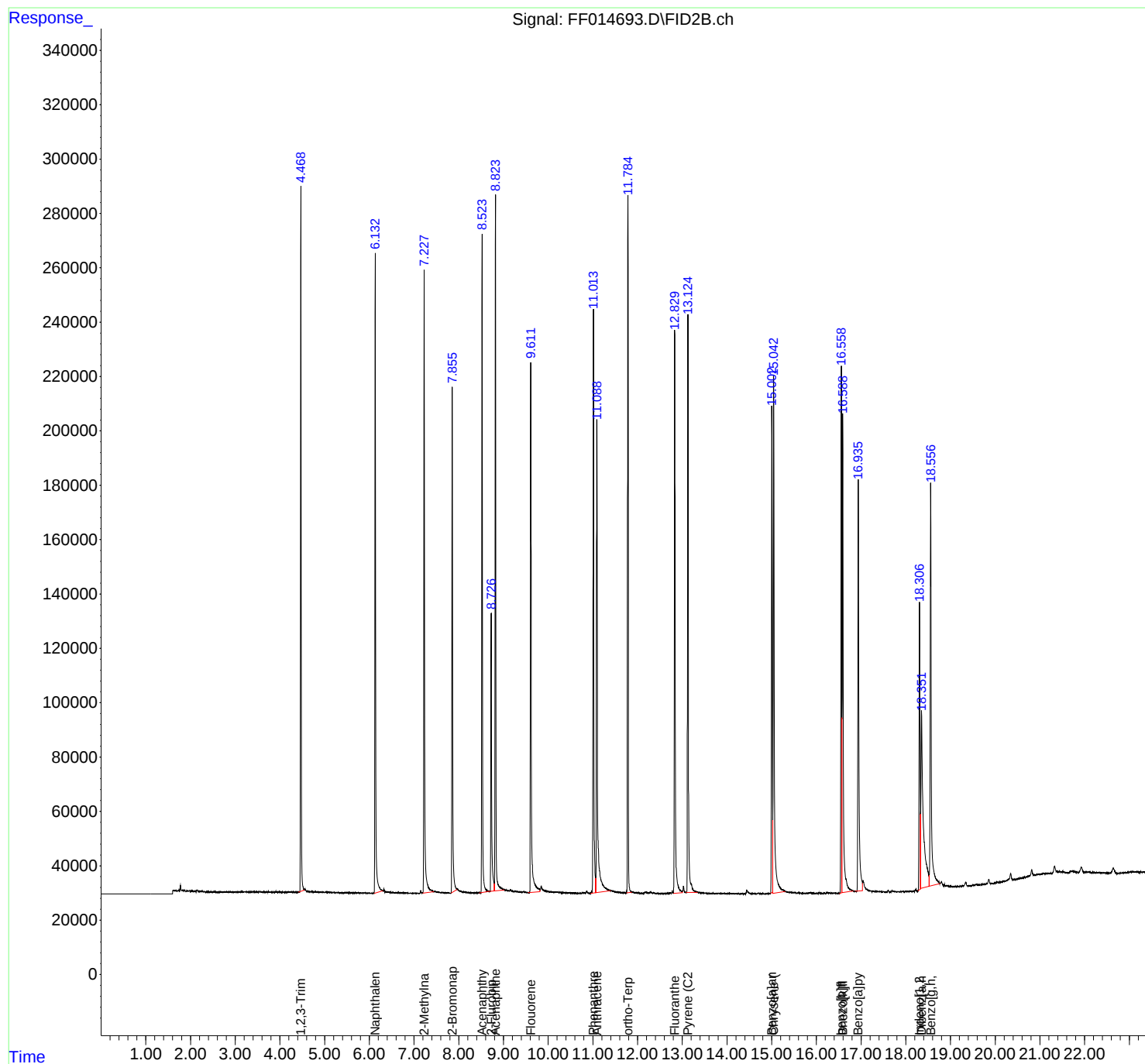
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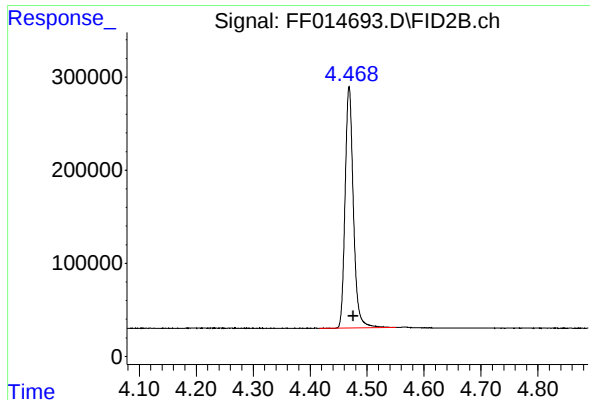
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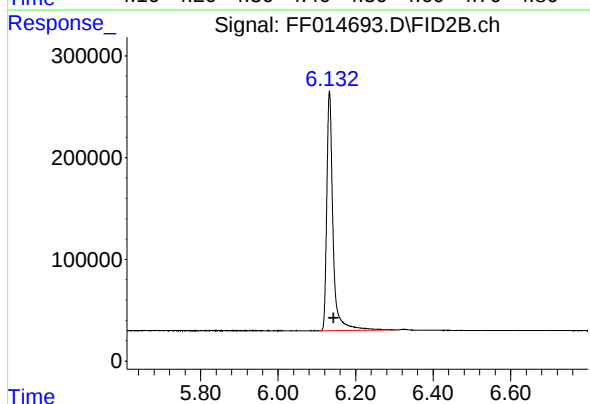
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.469 min
Delta R.T.: -0.007 min
Response: 2611552
Conc: 19.86 ug/ml

Instrument :
FID_F
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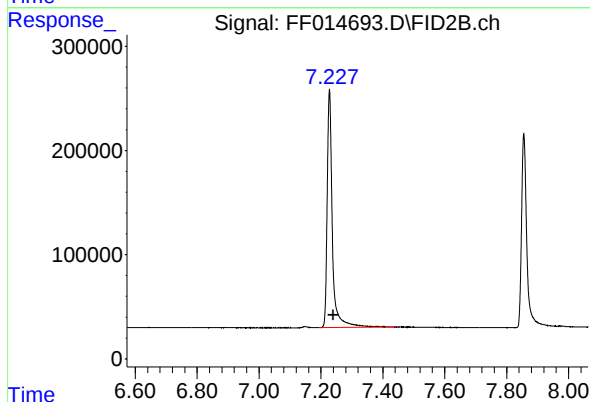
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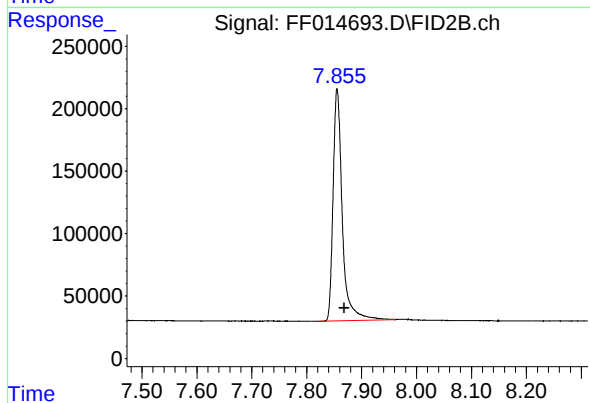
#2 Naphthalene (C11.7)

R.T.: 6.133 min
Delta R.T.: -0.011 min
Response: 2636944
Conc: 20.50 ug/ml



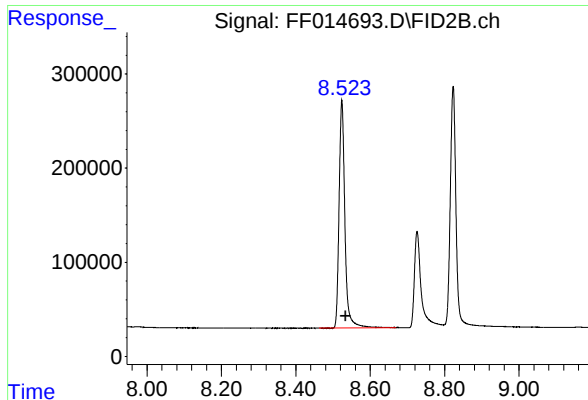
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.228 min
Delta R.T.: -0.012 min
Response: 2677908
Conc: 21.26 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.856 min
Delta R.T.: -0.013 min
Response: 2171521
Conc: 20.25 ug/ml



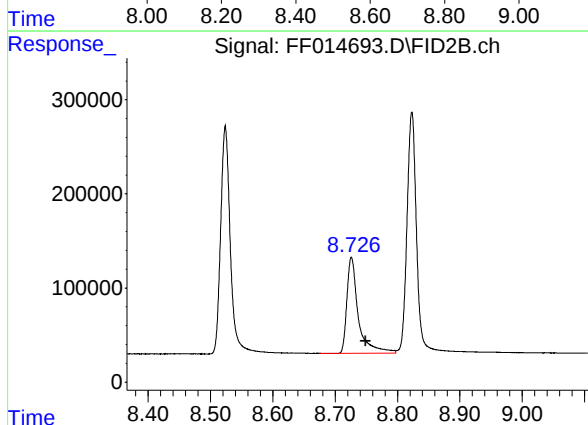
#5 Acenaphthylene (C15.06)

R.T.: 8.524 min
Delta R.T.: -0.010 min
Response: 2624245
Conc: 20.30 ug/ml

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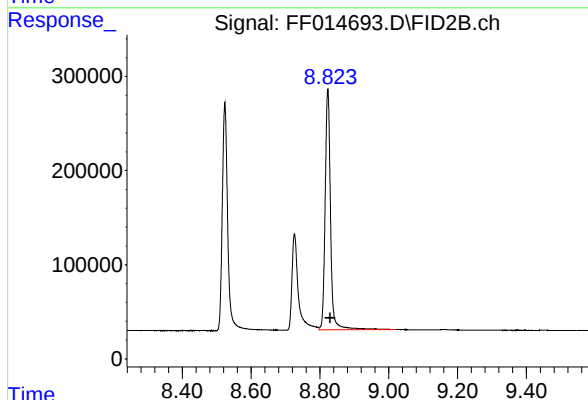
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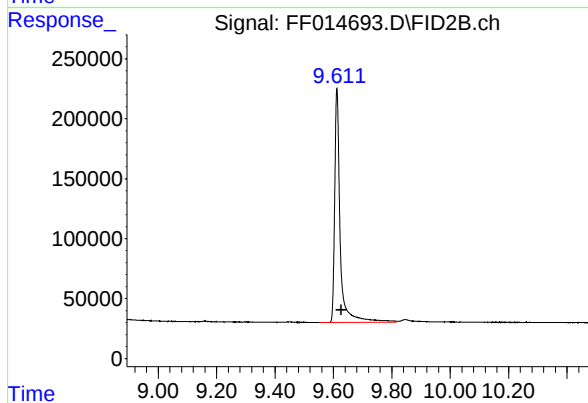
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.726 min
Delta R.T.: -0.022 min
Response: 1299991
Conc: 21.04 ug/ml



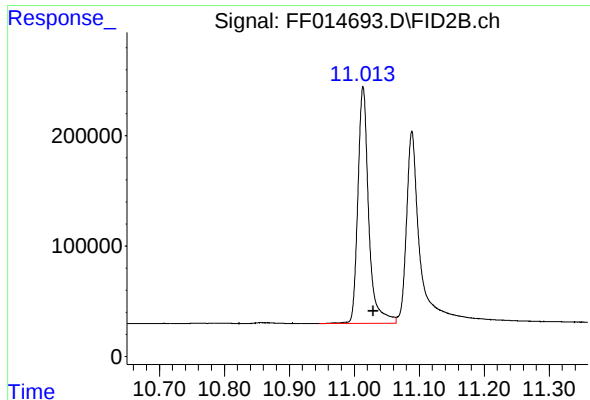
#7 Acenaphthene (C15.5)

R.T.: 8.823 min
Delta R.T.: -0.007 min
Response: 2793826
Conc: 20.48 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.612 min
Delta R.T.: -0.015 min
Response: 2549778
Conc: 21.35 ug/ml



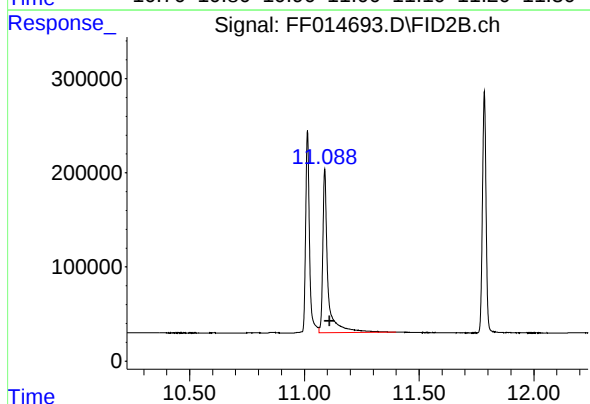
#9 Phenanthrene (C19.36)

R.T.: 11.013 min
Delta R.T.: -0.016 min
Response: 2493632
Conc: 21.65 ug/ml

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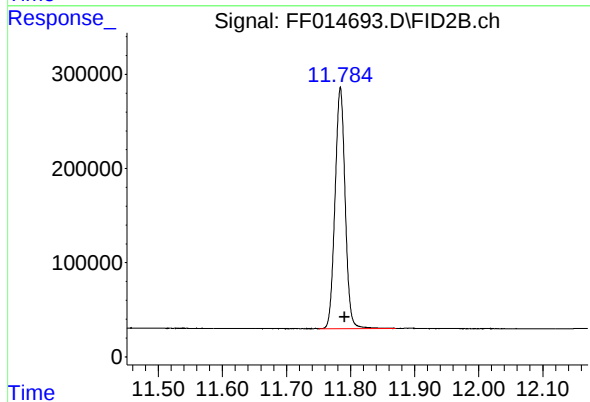
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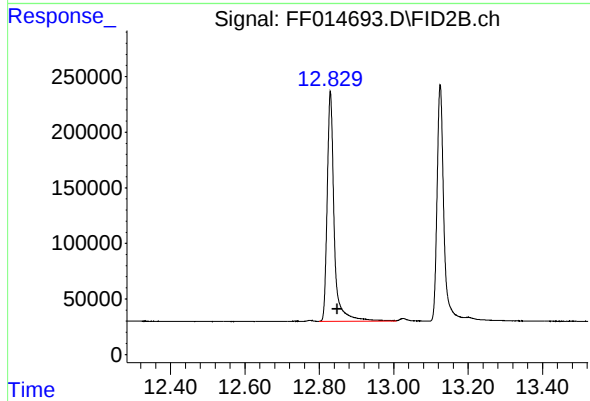
#10 Anthracene (C19.43)

R.T.: 11.089 min
Delta R.T.: -0.021 min
Response: 2723450
Conc: 23.04 ug/ml



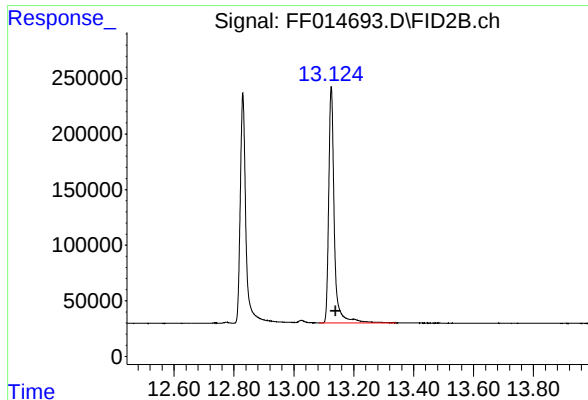
#11 ortho-Terphenyl (SURR)

R.T.: 11.784 min
Delta R.T.: -0.007 min
Response: 2807707
Conc: 20.51 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.830 min
Delta R.T.: -0.019 min
Response: 2715016
Conc: 22.20 ug/ml



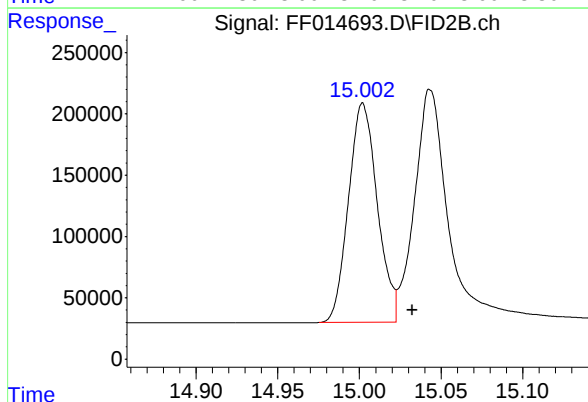
#13 Pyrene (C20.8)

R.T.: 13.125 min
Delta R.T.: -0.015 min
Response: 2745896
Conc: 22.12 ug/ml

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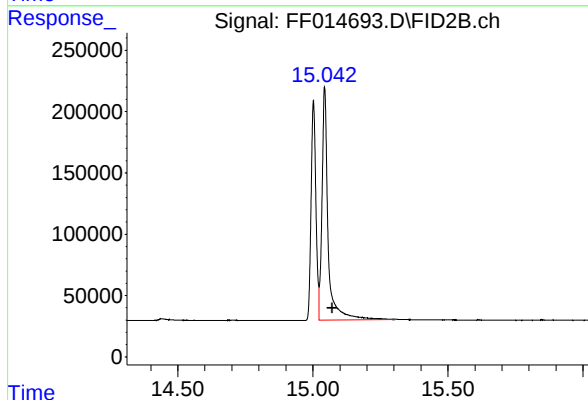
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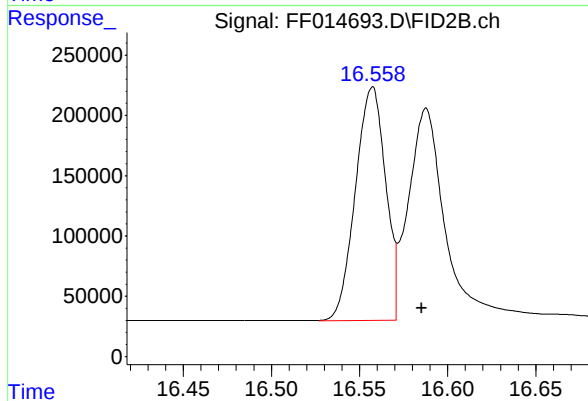
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.002 min
Delta R.T.: -0.031 min
Response: 2200775
Conc: 24.94 ug/ml m



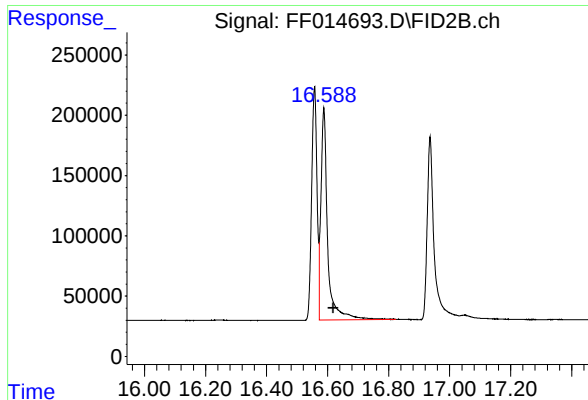
#15 Chrysene (C27.41)

R.T.: 15.044 min
Delta R.T.: -0.028 min
Response: 3017440
Conc: 21.00 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.558 min
Delta R.T.: -0.028 min
Response: 2298929
Conc: 23.79 ug/ml m



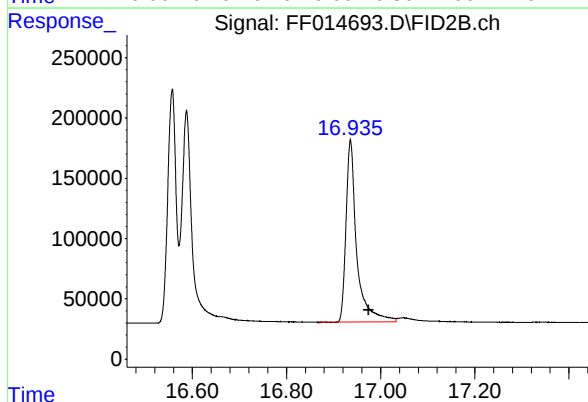
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.588 min
Delta R.T.: -0.032 min
Response: 2723597
Conc: 20.04 ug/ml

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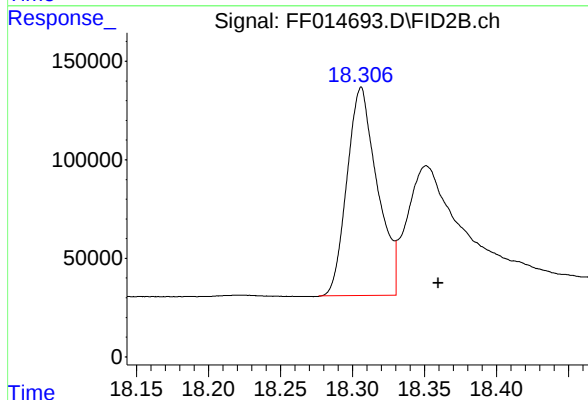
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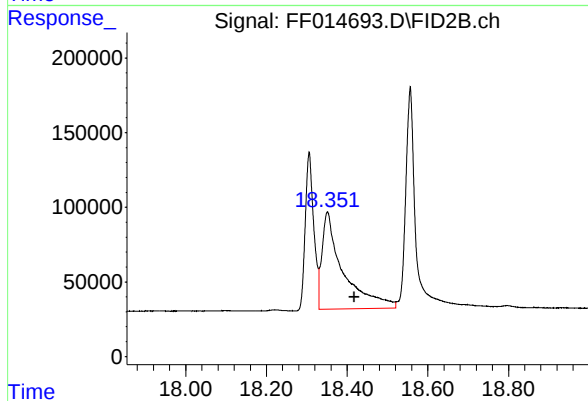
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.936 min
Delta R.T.: -0.039 min
Response: 2391965
Conc: 21.82 ug/ml



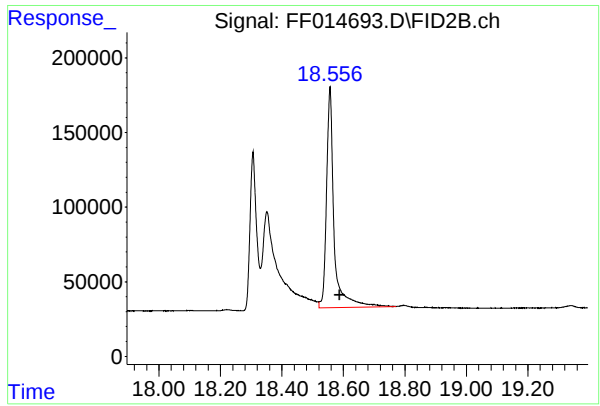
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.306 min
Delta R.T.: -0.054 min
Response: 1548008
Conc: 24.15 ug/ml m



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.351 min
Delta R.T.: -0.067 min
Response: 2367470
Conc: 22.45 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.556 min
Delta R.T.: -0.031 min
Response: 2513062
Conc: 20.68 ug/ml

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